

Installing Cortona Browser as a PowerPoint Control

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Overview

- These slides shows how to install the *Cortona* 3D browser in Powerpoint
- Tested versions:
 - Cortona 3.0 July 2001
 - Windows 2000 with Office 2000 SR-1
 - Cortona 4.0 June 2002
 - Windows XP with Office XP

Limitations 1

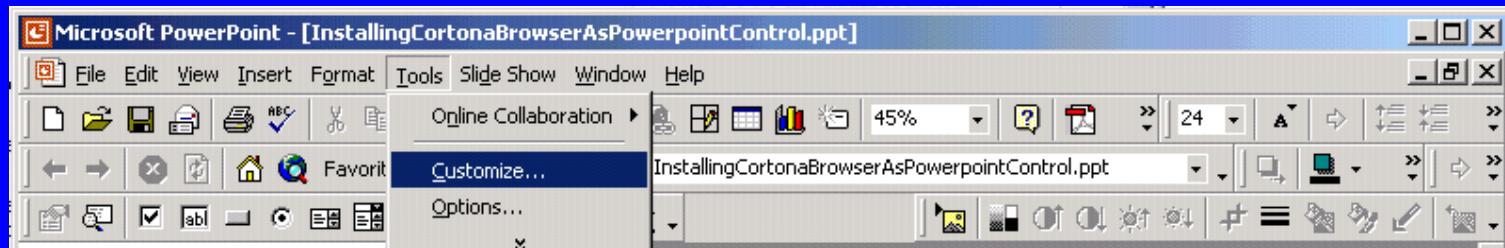
- One primary goal is to get DIS-Java-VRML scripting running inside PowerPoint.
- Warning: the Cortona browser does not yet support DIS-Java-VRML networking. To date, CosmoPlayer under Netscape 4.77 supports DJV.
- However Cortona alone supports the current Powerpoint controls, so it is a useful example.
- Tested using Office 2000 on various Windows versions by several NPS students plus the programming staff of Rolands & Associates.

Installation: steps 1, 2

1. Install Cortona browser under Internet Explorer from the ParallelGraphics website at <http://www.ParallelGraphics.com>
2. Open a new or existing presentation in PowerPoint.

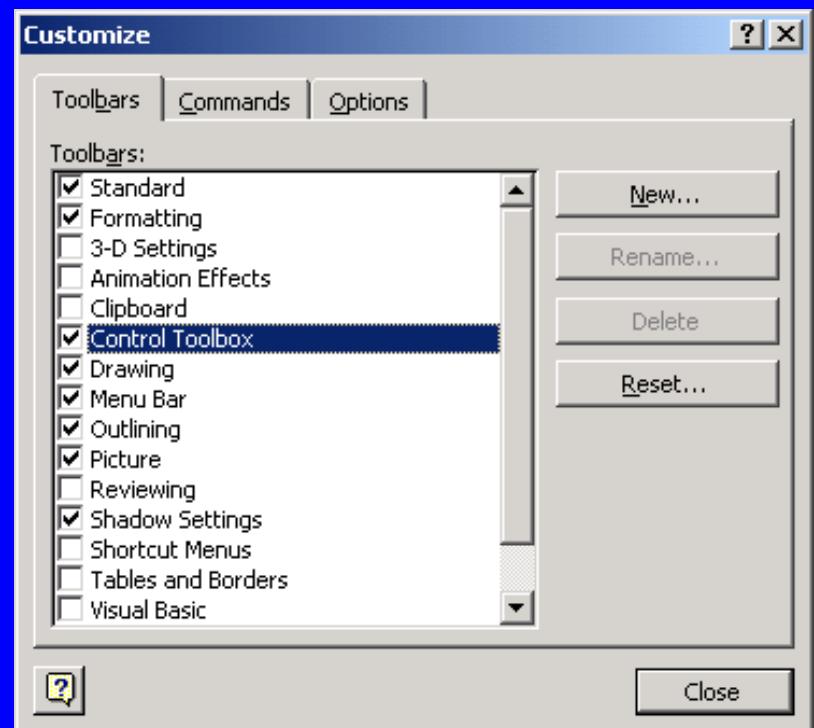
Installation: step 3

3. From the main menu bar, select Tools, Customize.



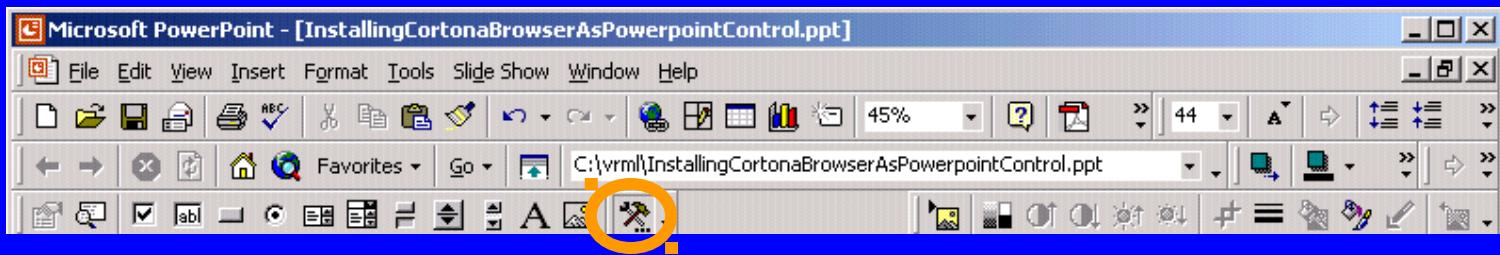
Installation: step 4

4. In the Toolbars tab
select Control Toolbox,
if you don't
already have it in
your toolbar.



Installation: step 5

5. Select the More Controls icon (hammer and wrench icon) from the Control Toolbox toolbar. Select the ParallelGraphics Cortona Control and place the control onto a blank Powerpoint slide.



1 □ Installing Cortona Browser as a PowerPoint Control

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2 □ Overview

- If Powerpoint is set up for VRML browsing, the gimbals scene on the last slide of this presentation will display in a live 3D browser.
- Powerpoint setup instructions follow.
- Note that we used a screen snapshot under the 3D control, so that a picture of the scene is visible. Images of interest need to be visible, even while editing in Powerpoint or if viewing in Powerpoint while Cortona is not installed.

3 □ Limitations

- Warning: the Cortona browser does not yet support DIS-Java-VRML networking. To date, CosmoPlayer under Netscape 4.77 supports DJV.
- However Cortona alone supports the

More Controls

Installation, continued

4. Select the More Controls icon (hammer and wrench icon) from the Control Toolbox toolbar. Select the **ParallelGraphics Cortona Control** and place the control onto a blank Powerpoint slide.

5. Right click on that control on the slide, and select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

Click to add notes

Windows versions by several NPS students plus the programming staff of Rolands & Associates.

4 Installation: 6 steps

1. Install Cortona browser under Internet Explorer from the ParallelGraphics website at <http://www.parallelgraphics.com>

2. Open a new or existing presentation in PowerPoint.

3. From the main menu bar, select Tools, Customize. In the Toolbars tab, select Control Toolbox, if you don't already have it in your toolbar.

5 Installation, continued

4. Select the More Controls icon (hammer and wrench icon) from the Control Toolbox toolbar. Select the ParallelGraphics Cortona Control and place the control onto a blank PowerPoint slide.

5. Right click on that control on the slide, and select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

NumberBvr Class
OleInstall Class
Outline Control
Outlook DocSite OLE Control
Outlook Express Mime Editor
Outlook Header OLE Control
Outlook Recipient Collection Edit OLE Control
ParallelGraphics Cortona Control
PathBvr Class
PDFFile Control
Preview Class
PrtSum Class

216 controls

continued

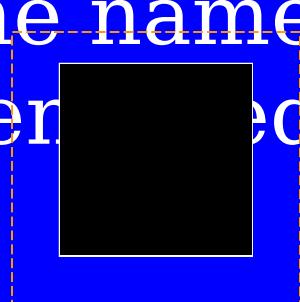
Select the ParallelGraphics Cortona Control and place the control onto a blank PowerPoint slide.

5. Right click on that control on the slide, and select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

Click to add notes

Installation: step 6

6. While in edit mode, right click on that control on the slide, then select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

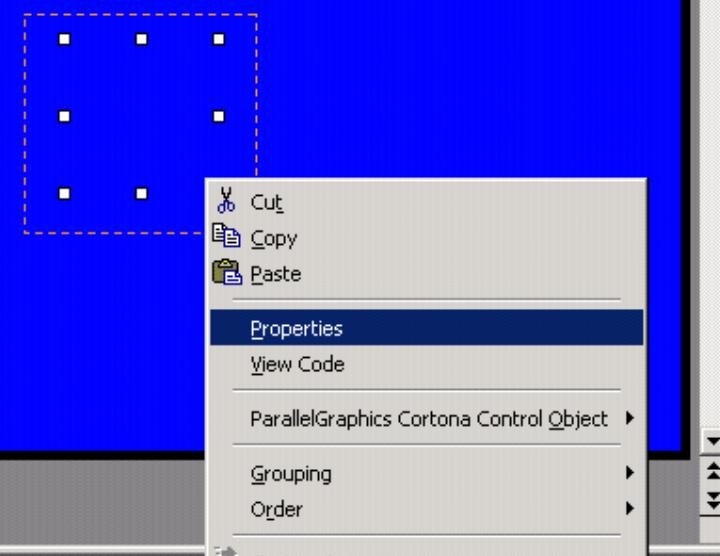


Dragged control is here:

Installation: step 0

6. While in edit mode, right click on that control on the slide, then select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

Dragged control is here:



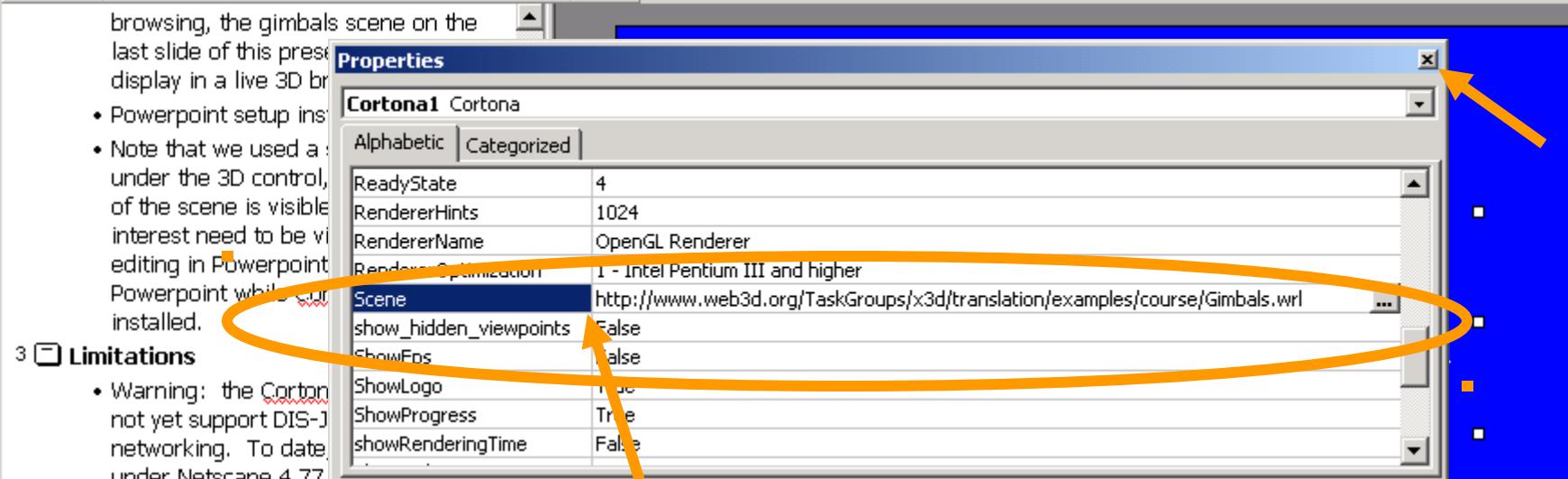
browsing, the gimbals scene on the last slide of this presentation displays in a live 3D browser under the 3D control, of the scene is visible. The interest need to be visible when editing in Powerpoint. Powerpoint while running with Cortona installed.

3 Limitations

- Warning: the Cortona browser does not yet support DIS-J3D networking. To date, it only runs under Netscape 4.77.
- However, Cortona alone supports the current Powerpoint controls, so it is a useful example.
- Tested using Office 2000 on various Windows versions by several NPS students plus the programming staff of Roland's & Associates.

4 Installation: 6 steps

1. Install Cortona browser under Internet Explorer from the ParallelGraphics website at <http://www.parallelgraphics.com>



5. Right click on that control on the slide, and select Properties. Go to the Scene parameter in the properties window and enter the name of the VRML scene to be rendered.

Almost done: installation test

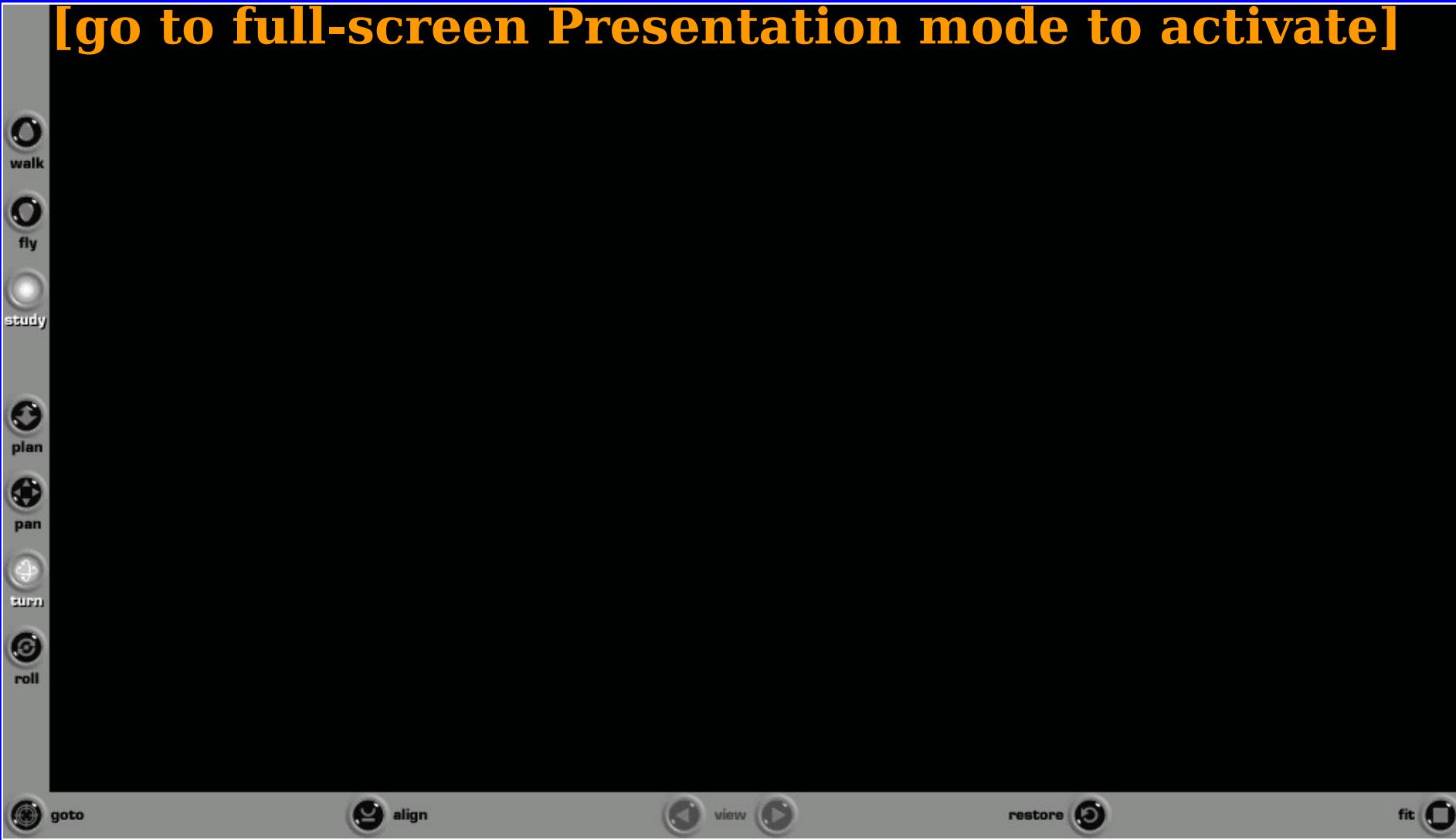
7. Go into slide show mode. The image on next page should be a live Cortona window on the slide. Navigate or rotate the 3D gimbals to test.

The following page has a default 2D example image under the 3D test scene of movable gimbals.

<http://www.web3D.org/TaskGroups/x3d/translation/examples/courses>

online X3D/VRML example: gimbals

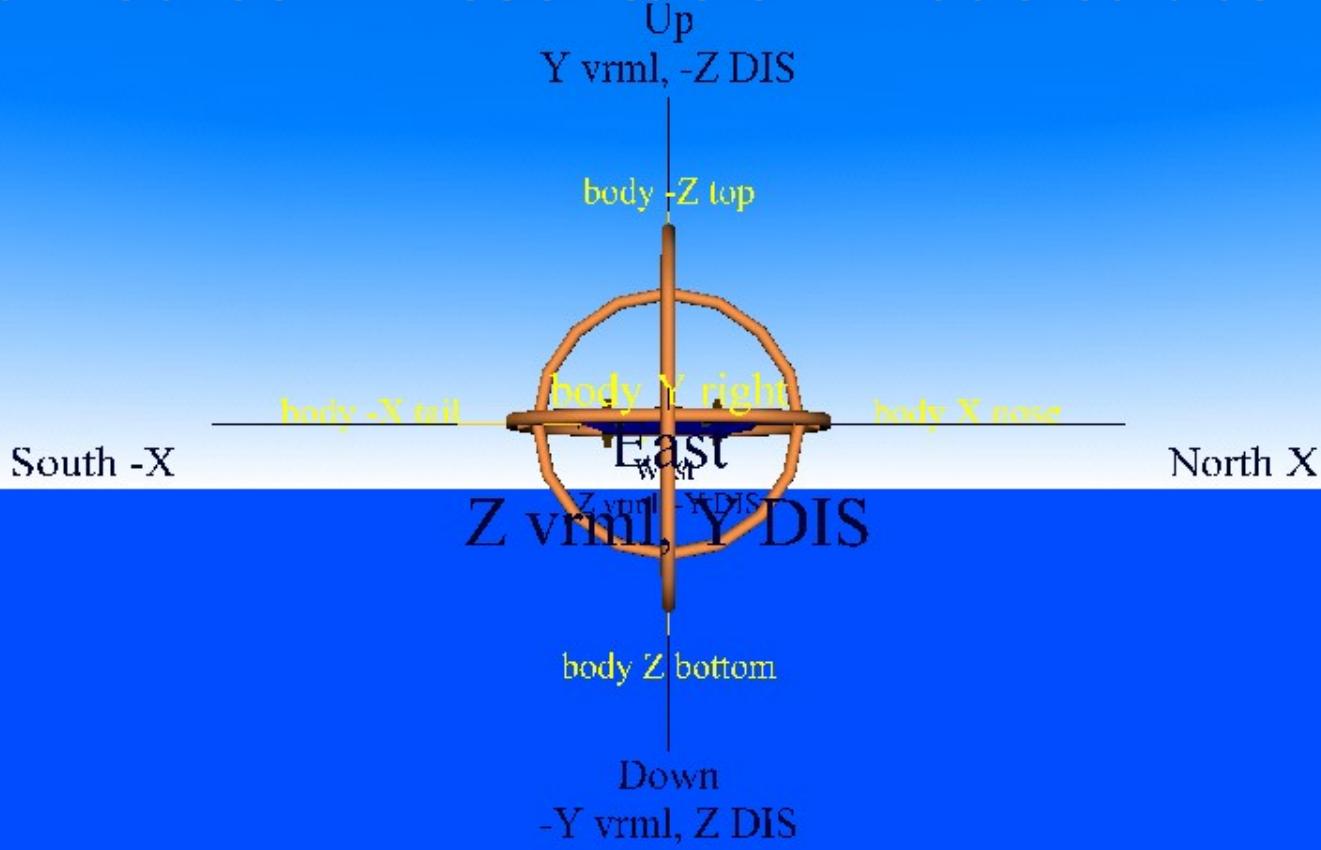
[go to full-screen Presentation mode to activate]



[PgUp/PgDn to change viewpoints, arrow keys or mo

local X3D/VRML example: gimbals

[go to full-screen Presentation mode to activate]



Text string for rotation values

[PgUp/PgDn to change viewpoints, arrow keys or mo

Contact

Questions, comments and
improvements are welcome.

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<http://www.web3d.org/x3d/translation/examples/help.html#PowerPoint>